



rayolite®

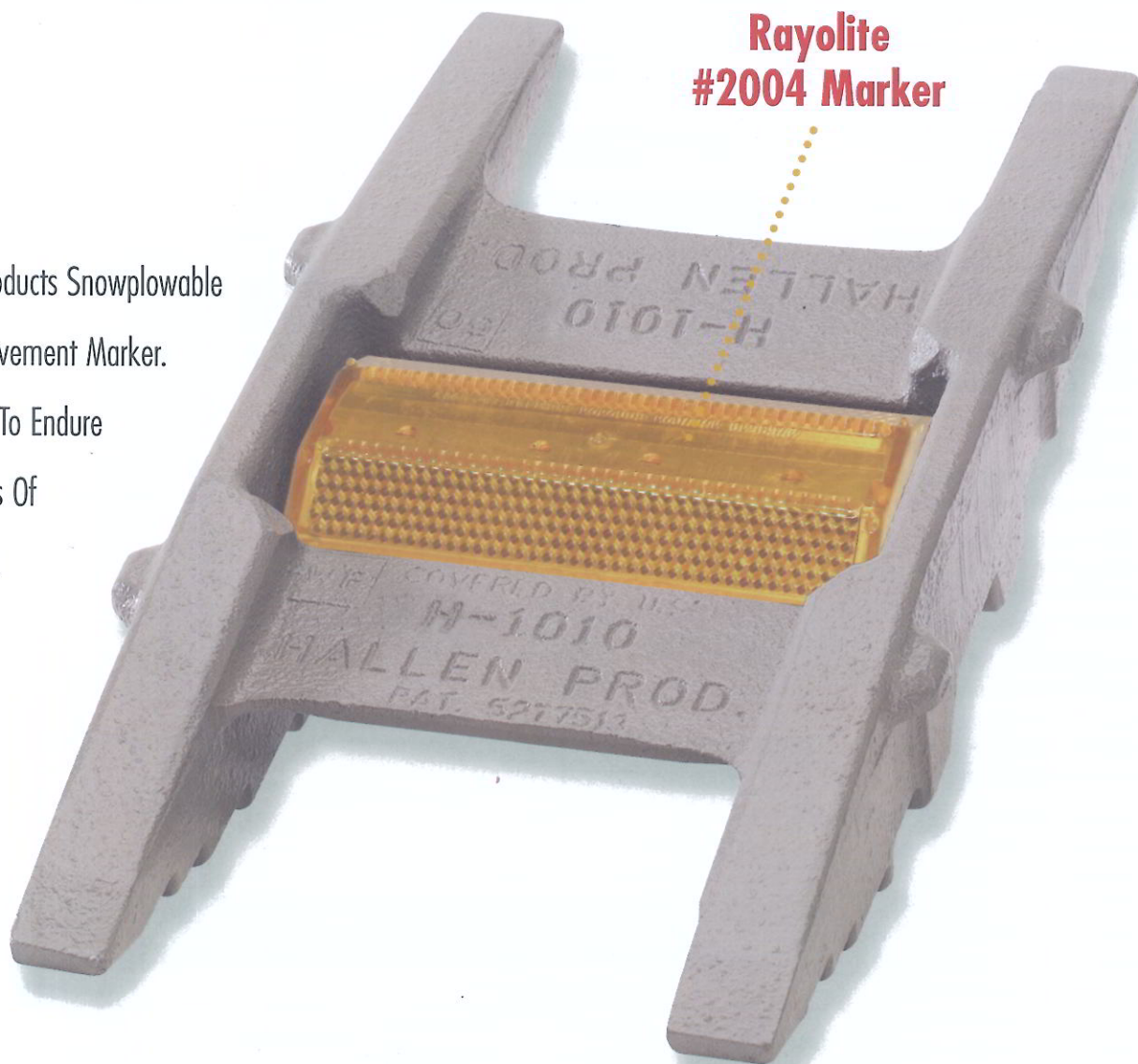
**HALLEN
PRODUCTS**
LIMITED

Model H1010

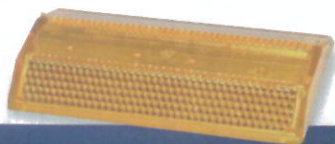
Low Profile — Narrow

**Rayolite
#2004 Marker**

Hallen Products Snowplowable
Raised Pavement Marker.
Designed To Endure
The Rigors Of
The Road.



Designed For Safety. Engineered To Last.



rayolite®

**HALLEN
PRODUCTS**
LIMITED

Model H1010 Installation and Details

Low Profile, Two-Way Snowplowable, Raised Pavement Marker

4500 N. Sam Houston Parkway W.
Building A, Suite 120
Houston, Texas 77086

Phone: (281) 617-2240
Toll Free: (800) 848-7025
Fax: (281) 583-1506

1. Pavement must be cut to the dimensions as shown.
2. Minimum 65 Horsepower saw is recommended for making pavement cuts.
3. The saw is to be fitted with grouping of 18" diameter saw blades with spacers, nested between 20" diameter saw blades with spacers as recommended by saw blade manufacturer.
4. Each pavement cut must be inspected prior to epoxy/marker installation per the following:

- Each casting must be centered lengthwise and should have 1/8" side-to-side clearance after insertion in pavement cut.

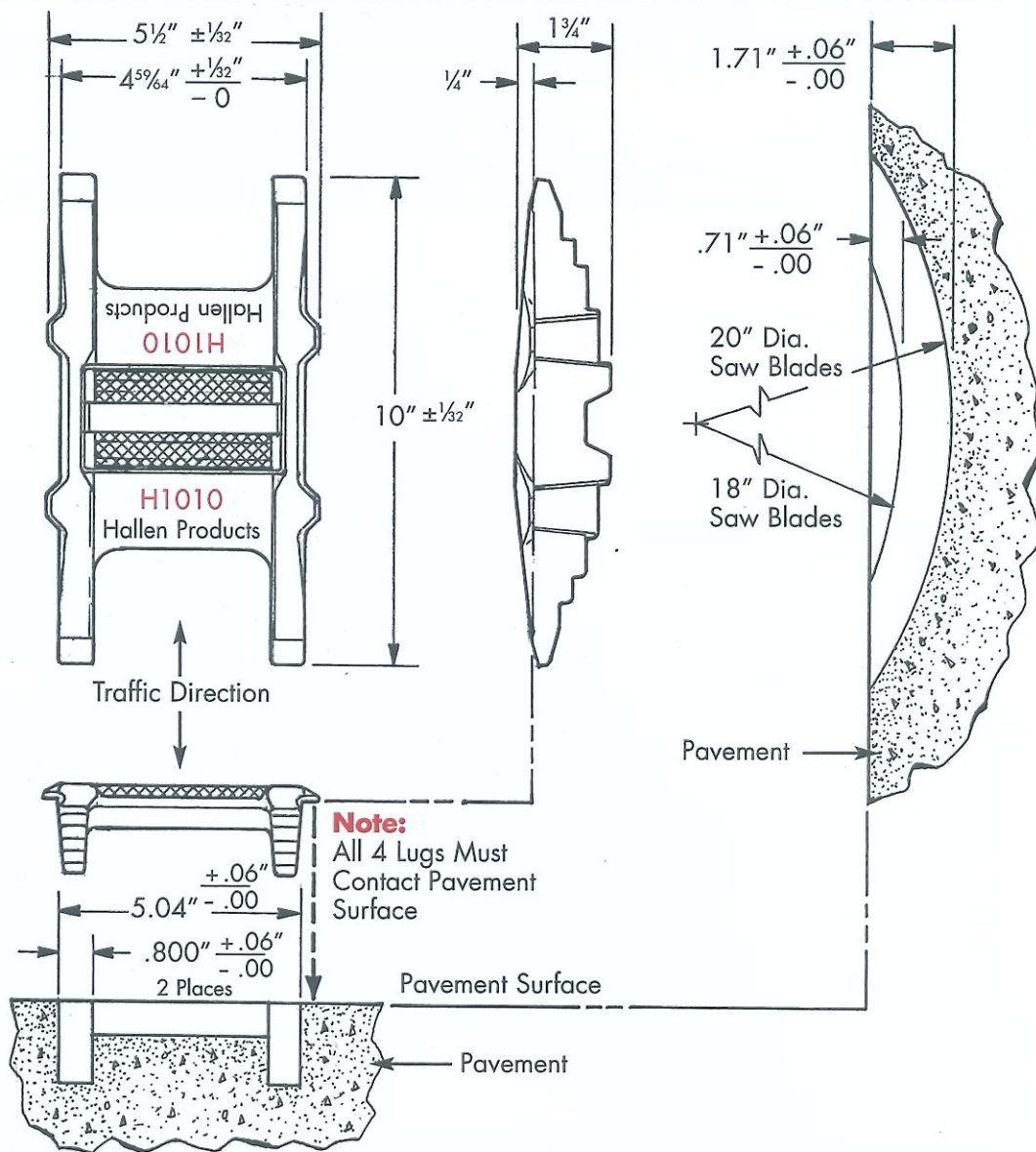
- All 4 leveling lugs must contact the pavement surface.

- The extreme ends of all castings must be below pavement surface after insertion in pavement cut.

5. The pavement cut must be completely dry and free of dust, dirt or any other material that will interfere with the adhesive bond.

6. 2-component epoxy adhesive is to be used to fill the pavement cut to within 3/8" of top of pavement. Then place marker into the epoxy filled pavement cut—noting 4 tabs must be in contact with pavement surface, and epoxy should be level with pavement surface. Epoxy should be prevented from blocking the reflector lens.

7. Any epoxy inadvertently spilled/dripped on the active reflector face must be removed immediately.



Multiple Colors For Multiple Applications

Lens Color	Part Numbers	
	Base and Reflector	Replacement Reflector Unit
2 Way Amber	H1010R042A	20042AP
2 Way White	H1010R042W	20042WP
2 Way White/Red	H1010R042WR	2004WRP
2 Way Amber/Red	H1010R042AR	2004ARP
2 Way Blue	H1010R042B	20042BP

Lens Color	Part Numbers	
	Base and Reflector	Replacement Reflector Unit
1 Way Amber	H1010R041A	20041AP
1 Way White	H1010R041W	20041WP

Base Casting Only H1010

rayolite® Specifications

**HALLEN
PRODUCTS**
LIMITED

Model H1010 Low Profile – Narrow

Two-Way, All Weather, Snowplowable, Raised Reflective Pavement Marker

4500 N. Sam Houston Parkway W.
Building A, Suite 120
Houston, Texas 77086

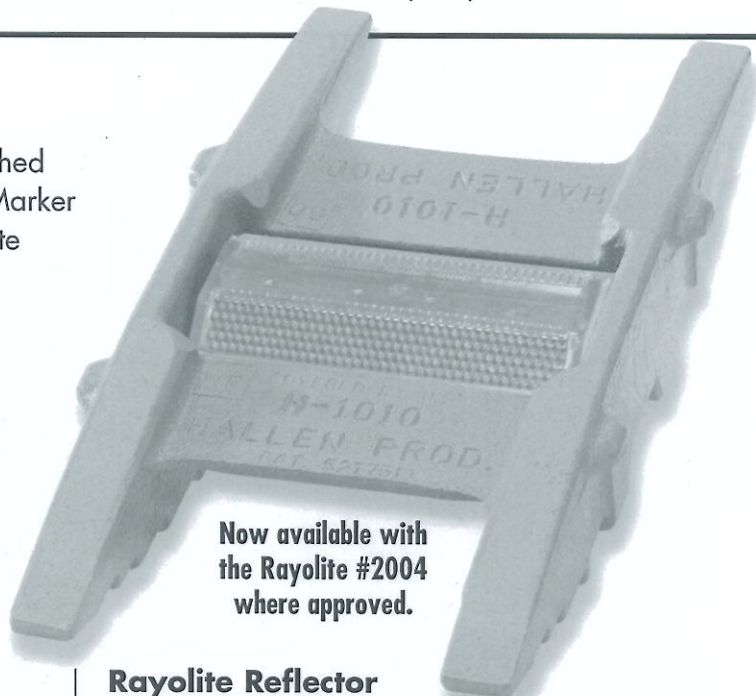
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Description

Marker consists of Iron casting to which is attached a replaceable Rayolite #2004 Snowplowable Marker Insert for reflecting light from a single or opposite directions. Reflector features:

- Optic grade Methyl Methacrylate
- Abrasion-resistant lens hardcoat

All aspects of reflector installation are factory controlled to insure proper adhesion to casting.



Now available with
the Rayolite #2004
where approved.

Dimensional Details

Overall Dimensions are approximately:

- 10 inches long
- 4.9 inches wide
- 1.75 inches high
- Installed height is approximately .250 inches above road surface

Material

Nodular Iron, conforming to Specification ASTM A536-84 Hardened to 52-54 Rockwell "C"

Surface

Surfaces of casting shall be free of scale, dirt, rust, oil, grease or any other contaminant which may reduce its bond to the installation adhesive.

Weight

Approximately 4.5 pounds each.

Identification

Casting is marked with manufacturer's name and model number of marker.

Rayolite Reflector Design and Fabrication

Construction Details:

- Molded with optic grade Methyl Methacrylate, filled with adherent thermosetting compound, with filler designed for impact and wear resistance.
- Dimensions are 4 inches long (101.6 mm) by 2 inches wide (50.8 mm) and 0.467 inches high (11.86 mm)
- Face Angle: 32%
- Reflective Area: 2.0 in²
- Pad Thickness: .035"

Rayolite Optical Performance

(0.2° observation angle; measured in cd/ftcd)

Entrance Angle	0°	20°
White	3.0	1.2
Amber	1.8	.72
Red	.75	.30

Note

Rayolite Snowplowable Marker #2004 is provided in new Hallen Products castings and can also be applied as replacement markers in most other castings. The #2004 markers are manufactured with an adhesive layer and peel-away liner and can be installed in existing castings using Liquid Nails LN-602 adhesive.